Provider Advisory Group

June Meeting

June 25, 2013

Agenda

Project Update

Phase 2 Technical Design Under Consideration

Next Steps

Phase 2 overall timeline

Mass HIway Phase 2 high level project schedule

Activity	Target date
Submit IAPD to CMS	**Completed**
CMS approval of Phase 2 IAPD	**Completed**
Phase 2 contract (or change order) executed	**Completed**
Go-live - Public Health - Immunization Registry Node	**Completed**
Go-live - Public Health - Reportable Lab Results (ELR) Node	**Completed**
Testing - Public Health - Syndromic Surveillance Node	**Completed**
Testing - EOHHS – Children's Behavioral Health (CBHI) Node	**Completed**
Go-live for Phase 2, Release 1 (Other Public Health interfaces)*	May – Oct 2013
Go-live for Phase 2, Release 2 (CDR, EMPI, RLS, Consent)	Oct 2013 – Mar 2014

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Massachusetts eHealth Collaborative

Key Review Issues

EOHHS and Orion have begun detailed scoping for technical design of Phase 2 services

Today's presentation gives high-level view of current approach – still many policy and technical details to be fleshed out

As we walk through the current high-level views, we welcome Advisory Group feedback on the approach

Mass HIway Phasing

Phase 1

Send and receive
• Create infrastructure to enable secure transmission ("directed exchange") of clinical information • Will support exchange among clinicians, public health, and stand-alone registries • Focus on breadth over depth • Example: Patient has been discharged from hospital and wants hospital to send discharge summary to PCP
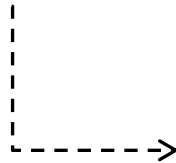
Phase 2

Search and retrieve
• Create infrastructure for cross-institutional queries for and retrieval of patient records • Add additional public health services • Example: Patient has been admitted to hospital and wants hospitalist to have patient record from PCP

Phase 1 and Phase 2 HIE Services

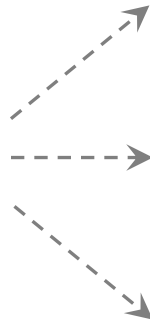## User types

Physician practice

Hospital

Long-term care
Other providers
Public health
Health plans

Labs and
imaging centers

Patients

HIE Services

Phase 1

Provider directory

Certificate repository

DIRECT gateway

Web portal mailbox

Phase 2

Master person index

Consent service

Record locator
service

Record retrieval
service

With the addition of Phase 2, the HIway will ultimately be capable of a rich set of transactions
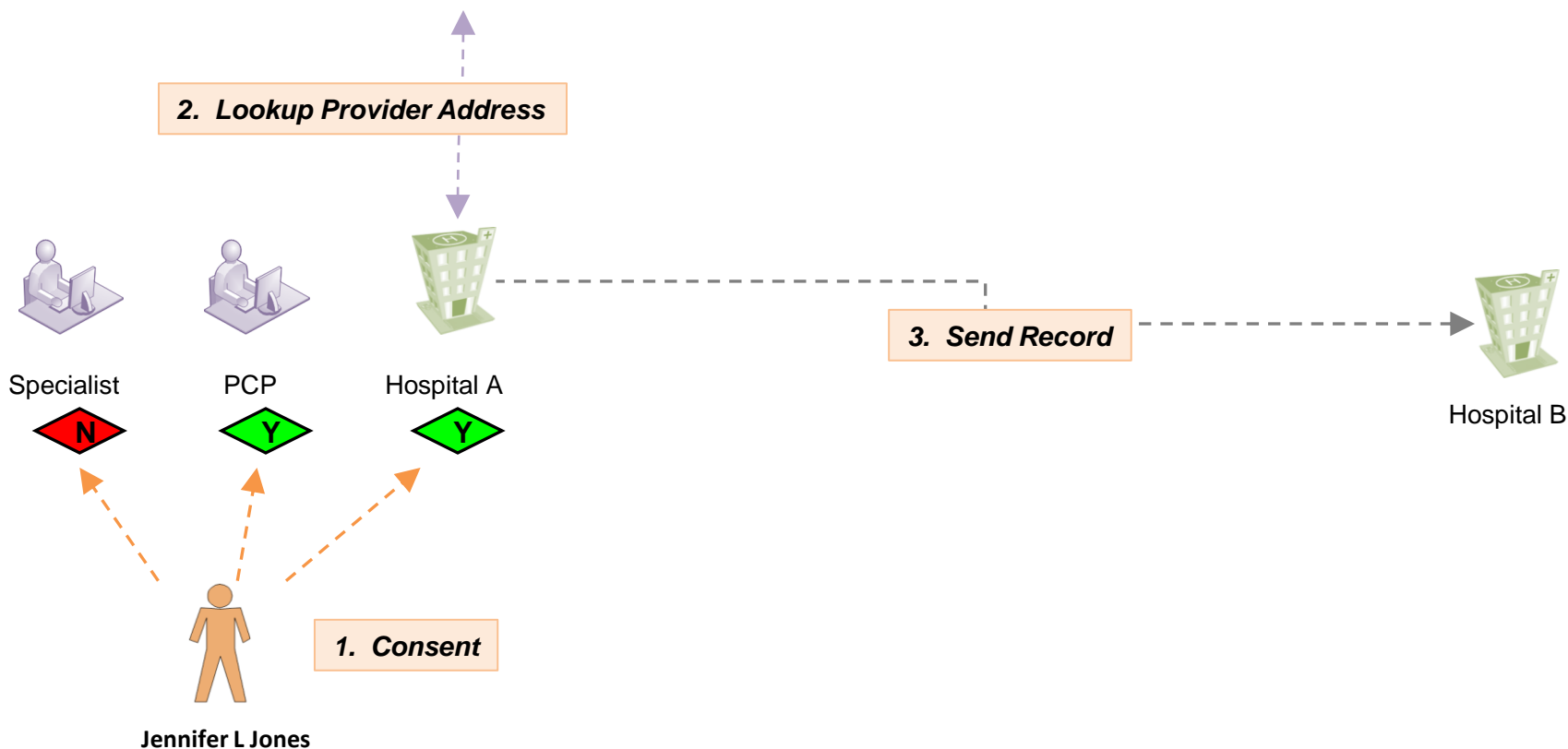
- **User-to-User Push**

- **Medical Records Locator (for Providers)**

- **Medical Records Retrieval (for Providers)**

- **Medical Records Locator Access Audit (for Providers and Patients)**

- **Medical Records Locator Review (for Patients)**

- **Medical Records Locator Update Notification (for Patients)**

- **Medical Records Locator Update Notification (for Providers)**

Today: User-to-User Push

Framework for Query for a Patient Record
Emerging Federal Certification Approach

Data Requestor

Data holder

Discover provider address and security credentials

↓

Send:

- Authenticating credentials
- Patient-identifying information
- Authorization for request
- Type of information being requested (optional)

query →

Receive:

- Validate authentication credentials
- Match patient
- Verify authorization for request
- Check for requested information

↓

Receive:

- Medical record information or acknowledgment of non-fulfillment of request
- Log transaction

← *response*

Send:

- Medical record information or acknowledgment of non-fulfillment of request
- Log transaction

MA HIway Phase 2 Consent Approach

Record Locator Service

Patient name	Local name	Institution	MRN	Last visit date	# visits
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Dec 3, 2012	3
Jones, Jennifer L	Jones, Jenny	PCP	5678	Jul 8, 2010	12

Jennifer L Jones

Jennifer L Jones

Consent to Publish Provider Relationships

- Consent to publish relationship between patient and entity
- Consent captured by data-holding entity and conveyed to RLS in update message (ADT)
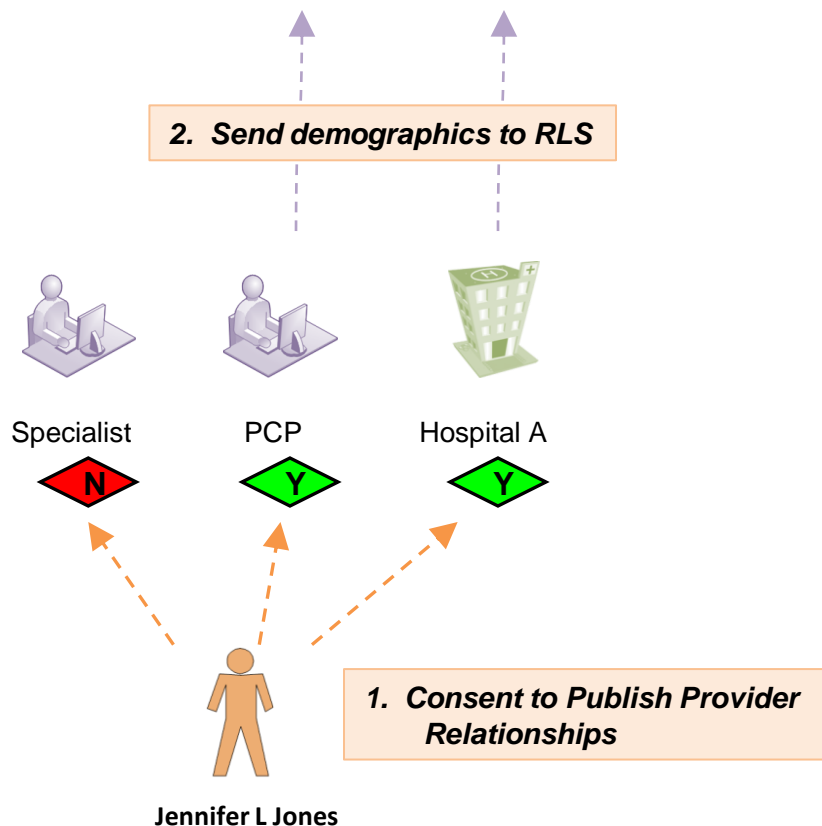
Consent to Search or Retrieve

- Consent to search or retrieve records
- Consent captured by receiving entity and conveyed in query message

Publish Relationship to RLS

Record Locator Service

Patient name	Local name	Institution	MRN	Last visit date	# visits
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Dec 3, 2012	3
Jones, Jennifer L	Jones, Jenny	PCP	5678	Jul 8, 2010	12

2. Send demographics to RLS

Specialist — **N**
PCP — **Y**
Hospital A — **Y**

Jennifer L Jones
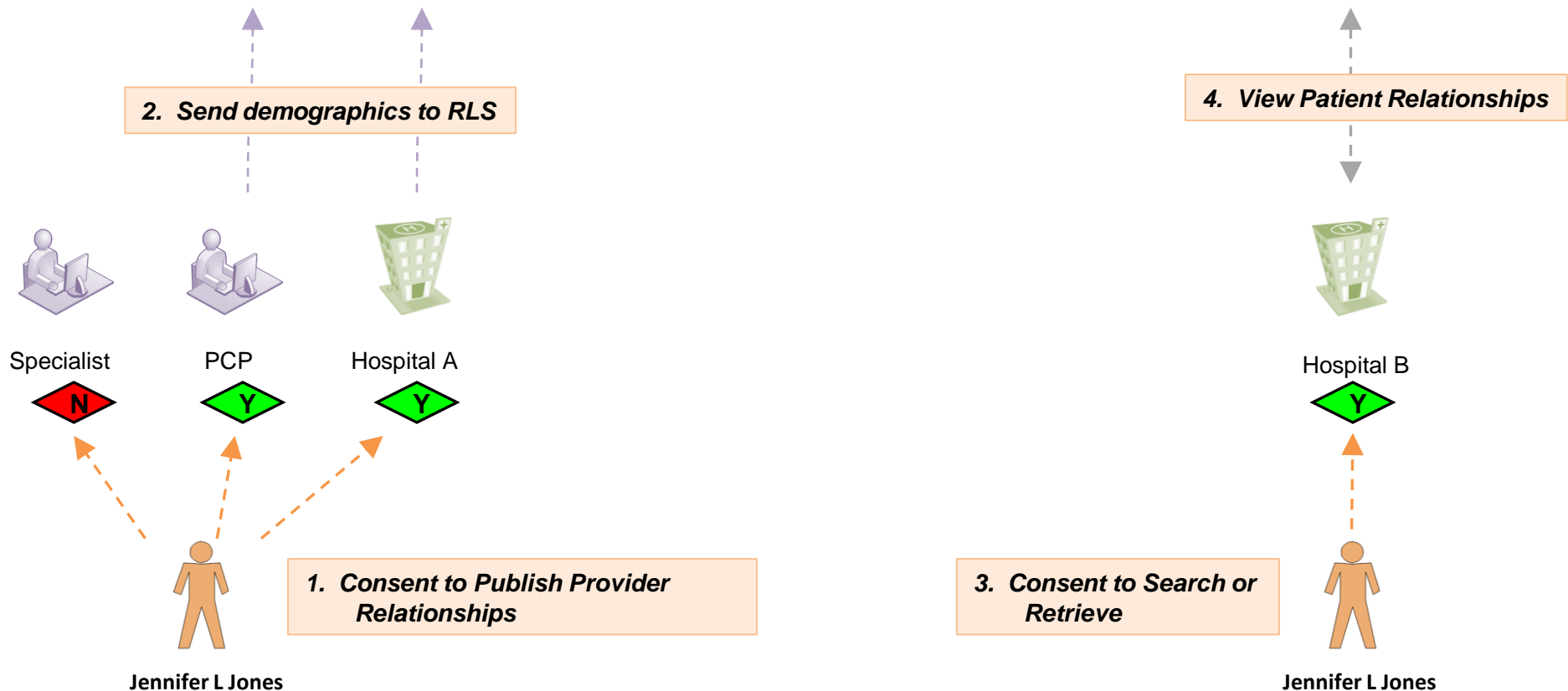
1. Consent to Publish Provider Relationships

- Assume EHRs capable of capturing only single, binary consent flag
- Patient consent flag conveyed in RLS update messages (ADT)
- Consent flag acts like memoryless toggle allowing relationship to be published in RLS
- If "yes", relationship published in RLS
- If "no", message rejected (ie, relationship not published in RLS)
- If changing:
  - "Yes-to-No": If relationship was previously published, previous messages stored but hidden – only available for audit
  - "No-to-Yes": Relationship published in RLS from that point forward

View RLS Information

Record Locator Service

Patient name	Local name	Institution	MRN	Last visit date	# visits
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Dec 3, 2012	3
Jones, Jennifer L	Jones, Jenny	PCP	5678	Jul 8, 2010	12

2. Send demographics to RLS

4. View Patient Relationships

Specialist **N**

PCP **Y**

Hospital A **Y**

Hospital B **Y**

1. Consent to Publish Provider Relationships

3. Consent to Search or Retrieve

Jennifer L Jones

Jennifer L Jones

Provider Record Retrieval Options

Record Locator Service

Patient name	Local name	Institution	MRN	Last visit date	# visits
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Dec 3, 2012	3
Jones, Jennifer L	Jones, Jenny	PCP	5678	Jul 8, 2010	12

2. Send demographics to RLS

4. View Patient Relationships

5. Request patient record

6. Send patient record

Specialist **N**

PCP **Y**

Hospital A **Y**

Hospital B **Y**

1. Consent to Publish Provider Relationships

3. Consent to Search or Retrieve
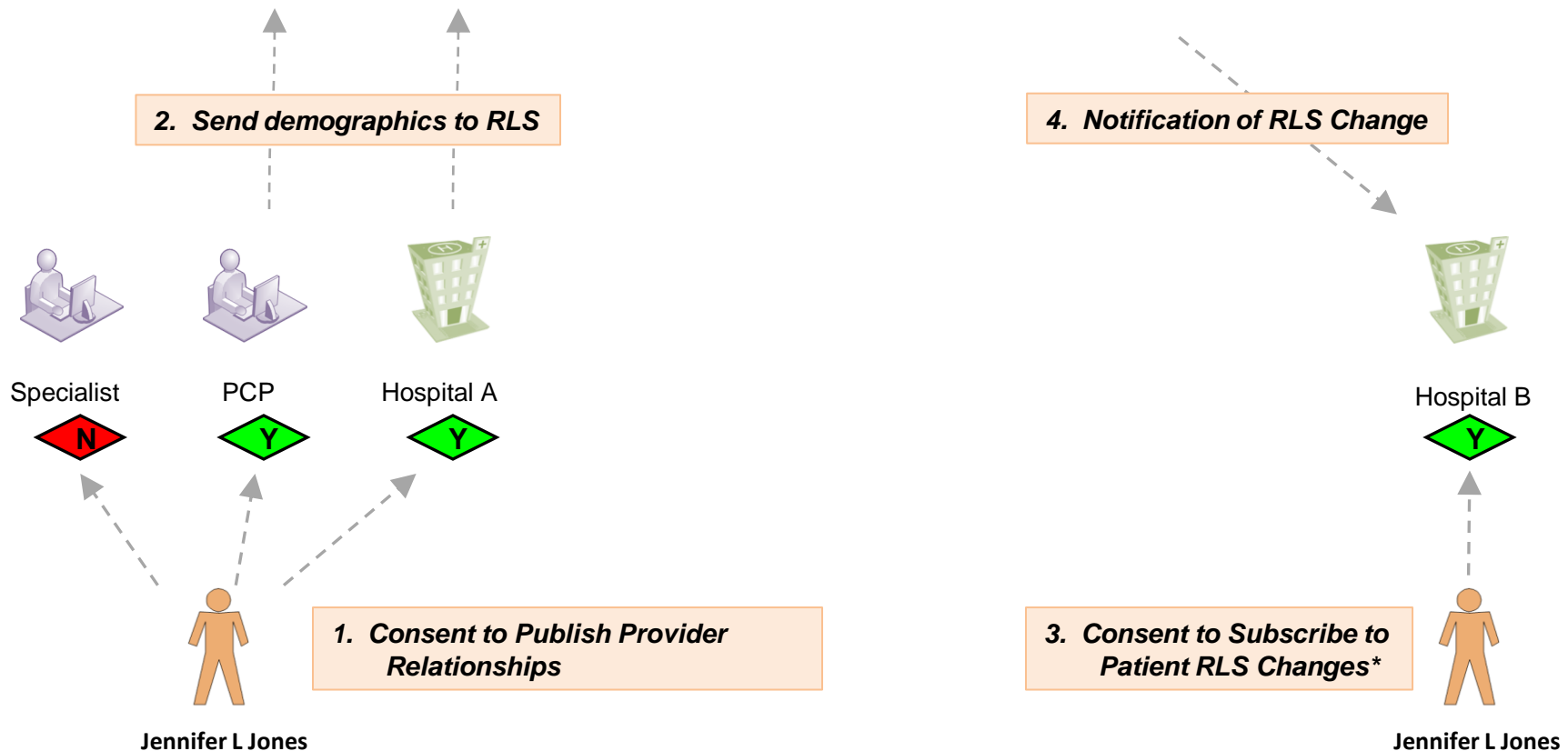
Jennifer L Jones
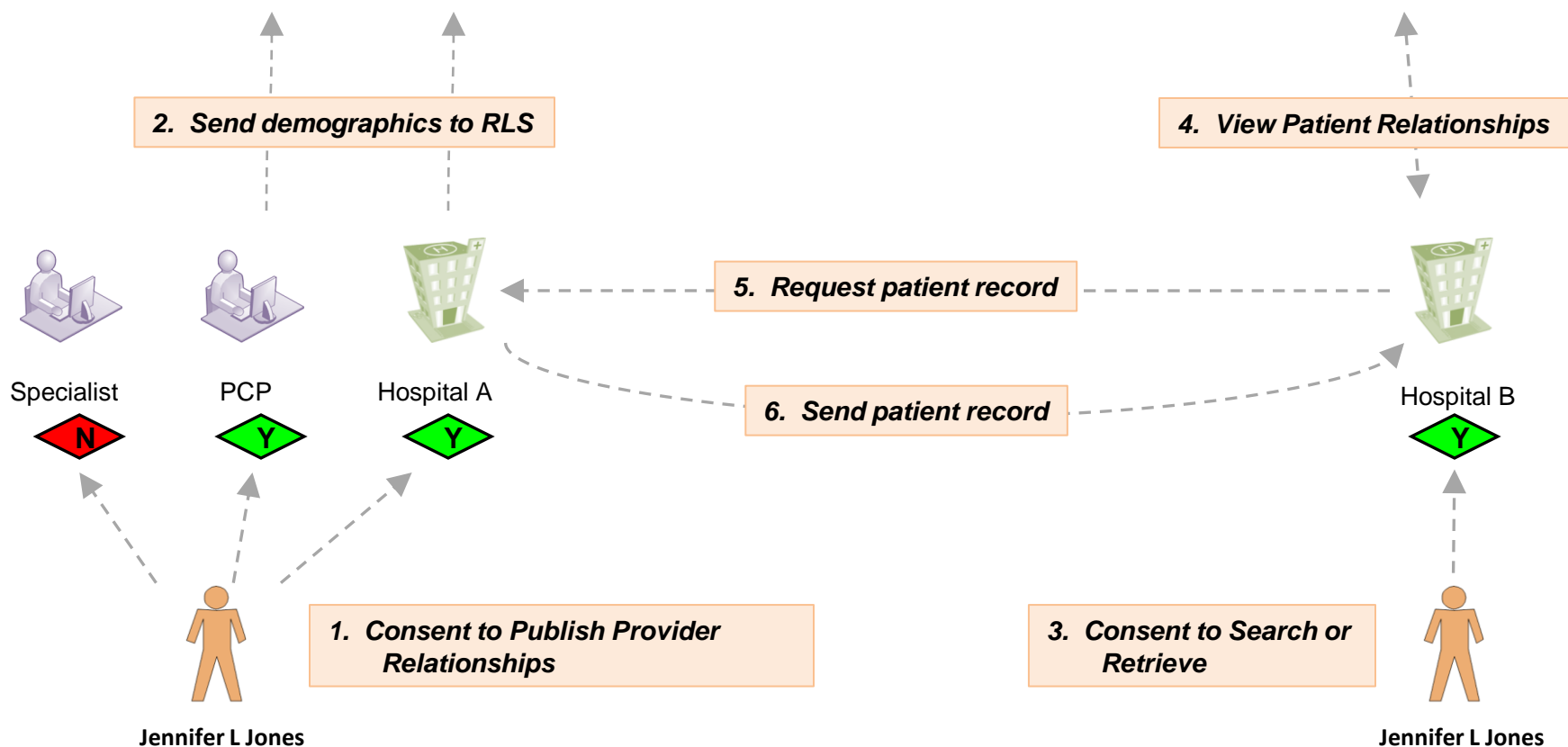
Jennifer L Jones

Provider Subscription to Changes in Patient RLS

Record Locator Service

Patient name	Local name	Institution	MRN	Last visit date	# visits
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Dec 3, 2012	3
Jones, Jennifer L	Jones, Jenny	PCP	5678	Jul 8, 2010	12

2. Send demographics to RLS

4. Notification of RLS Change

Specialist — **N**

PCP — **Y**

Hospital A — **Y**

Hospital B — **Y**

1. Consent to Publish Provider Relationships

3. Consent to Subscribe to Patient RLS Changes*

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Jennifer L Jones

Patient Options

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Next Steps

Next steps

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- Key points and recommendations synthesized and provided back to Advisory Group for final comments

- Presentation materials and notes to be posted to EOHHS website

- Next Provider Advisory Group Meeting – July 16, 7-8:30 am.
  - Conference call – number to be updated in invitation

- HIT Council – July 1, 2013, 3:30-5:00 One Ashburton Place, 21st Floor

HIT Council meeting schedule, presentations, and minutes may be found at
http://www.mass.gov/eohhs/gov/commissions-and-initiatives/masshiway/hit-council-meetings.html